

*

~~LINCOLN~~ HANSON

BRAZIL

1975 / 1982

7530-222-3521
FEDERAL SUPPLY SERVICE
(GPO)

DEVRA G. KLEIMAN

Property of ~~David Kleiman~~

Brasil 1975

Magnificent National

Book #1

created 1967

IBDF under Min. Agriculture; moved

offices to Brasilia Sept 74; May

refused to go; was removed from

position as Director of National Parks.

8 Pres. of IBDF 1967-1974

(Political appointees)

Pol

Ecol

Reint.

Cons.

Edu

People.

Book #1

Brazil 1975

Magnanini National

IBDF ^{created 1967} under Min. Agriculture; moved
offices to Brasilia Sept 74; Mag.
refused to go; was removed from
position as Director of Nat'l Parks.

8 Pres. of IBDF 1967-1974
(Political appointees.)

In 1975, Original PdT area
dropped from 90 - 40% forest.

Plan to release rosalia in Poco in
Tijuca Nat'l Park.

Coimbra + Magnanini
Wanted to build captive facility &
research facility at Poco.

Raise Colonel 1977

Sao Paulo

Miles of Towering skyscrapers

Noise ~~fit~~ all night despite

being @ 14th floor

1979-81 Dionizys transplants GLTs into
Reserve. (see 1984 Book 4 @ May 26)

#1 (1982)

982-

With Mittermeier, Jensen, Andy Young
Claudio working at CPRJ.

Visit Coimbra - Emphasis on
restoration of Poco das Antas; epiphytes,
+ lime to ↑ alkalinity of soil.

Meet at CPRJ Russ; Renato Petry Seal (IBDF)
Coimbra, Claudio, Jensen.

was Maria
Teresa
there?
(see notes on
yellow pad
from
meetings)

Renato agrees that research/activities
could focus on corridors; transplanting
epiphytes; spreading lime over pasture;
planting small orchids of fruit trees.

Russ insists that WWF be significant
player in any written agreement.

18 June 82

1st Visit to Poco.

Photo GLTs near
entrance.

Walk Thru Reserve to near dam.

(1½ hrs)

Checked on ^{old} fazenda house for rehab.

#1 (1982)

June 82 No gas sold Fri — Mond.

Drive to Minas to Caratinga from RJ
(@ 8-10 hrs)

Carlos Alberto: Montes Claros @

1 1/2 hr drive from town of Caratinga.

Montes Claros 800 ha

Grow coffee, some sugar cane
(read Karen Strier
book; reference)

Dill hot pepper
consumption becomes legend

Dr. Feliciano Abdalla owner

Dill flies to Brasília to do
agreement with Renato + Maria Tereza.

Pol

Ecol

Reint.

Cons.

Edu

People.

DEVRA G. KLEIMAN

Property of ~~Linda Hansen~~

Return to Research Division
National Zoological Park

~~Smithsonian Institution~~ SMITHSONIAN
~~Research Division~~ INSTITUTION

Washington D.C.

20009

phone 202-381-7291

after
July 1970

274-4105

Adelmar Coimbra-Filho

~~home 247-6850~~

Office 268-8849 (ICN)

~~June 24~~

Maria Tereza Jorge de Padua
Director of National Parks ^{works for} Magnanini
Woman, in State of Rio
In IBDF (entrance to Bank)

~~IBDF/Rio 247-2630~~
Botanical Gardens
Zoo

Mario Paulo Antuori - Sao Paulo Zoo

Tel. Zoo ~~275-3522~~

Fundacao Jardim Zool. ~~275-1913~~ 276-0811

Dr. Mathews Nelly Notaroberto
Rio de Janeiro Zoo

Quinta Boa Vista, Rio
Tele. 54-20-24

Nogueiro - Neto ^{Brasilia} home? 42-3986
Caracas

Trebban - Off. 21-74-11

Mondolfi ⁶⁵⁻⁰⁰¹¹ home 91-50-38
Blohm - off. 74-24-30 ⁵⁵⁻⁸⁰⁻⁰¹
33-22-06 ^{2nd-home}

IBDF ~~Tijuca Park~~
~~98 Pacheco Lago~~
~~246 9384~~

IBDF ~~State of Guanabara~~
~~Tijuca Park / Dept. Pesq. Conserv. Natur~~
~~246 2077~~

Magnanini IBDF 246-2491

upon arrival in Rio -

- (A) Phone Coimbra
- (B) Phone Antunio - ask about export permit

Health Certificate (A) US Consul. certification
(B) Certified translation of export permit.

- (C) Pan Am desk to reconfirm flight - need food on flight for me, jump seat.
- (D) Nogueira & Magnanini phone numbers -
- (E) Hotel reservations in Sao Paulo

Get Pan Am:

see @ space on aircraft for passenger flight.

11 June 1975

International Airport

10 June 1975 - Arr Rio 0900 hrs.

Taxi to Hotel California

Av. Atlantica 2616 Tele. 257 1900

Message from Magnanini that
he would call back at noon.

After speaking with him, arranged
to go with him to IBDF offices near
~~the~~ Tijsca Bank at 14:30 hrs.

Cormbra out of town.

Tried to get through to Antuori
in Sao Paulo. After 3 wrong
numbers, got The Zoo, but
Antuori would not be there till
16:00. Left him message to
phone hotel.

~~That~~ Walked around area
near Hotel - Avda Copacabana,
etc. Many shops, but expensive.

Magnanini arr. & we go to IBDF
headquarters at Tijsca.

Political situation as follows:

IBDF moved all offices to
Brasilia Sept 74. Magnanini
refused to go, therefore resigned
as director of National Parks
System. IBDF in Ministry of Agriculture

I) IBDF President: Berutti

A) Director Natl Park Celso

1) Asst. ^{Luiz} de Padua

(who signed authorization
for Maned Wolves)

Magnanini used to have Celso
position but is now considered
a "researcher" since he refused
to move. IBDF created 1967
& Magnanini working with
them from the start.

M. believes that IBDF is
~~useful~~ useless for developing
a system of National Parks
and Biological Reserves.

Most money for "development"
as title suggests. Presidents
of IBDF have been many, 8
since beginning of IBDF.

The Presidents are political appointees
and often know nothing about
fauna & flora. They change as
the government changes.

Recently Nogueira - Neto
Special Assistant in Ministry of
Interior has tried to develop
ecological reserves or ecological
stations. By doing so, he may
be trying to circumvent IBDF.
But M. thinks it will result
in duplicate efforts and
be divisive.

Magnanini attempting
to develop a center for training
National Parks people eg
superintendents & rangers.

IBDF is trying to do it in
Brasilia where it makes no sense.
At M. headquarters, there
are 1 man, forest engineer,
& architect, & museologist,
& forest engineer.

The architect is designing

landscaping & bldgs for
National Parks, Museologist
concerned with the development
of Visitor's Centers.

All are very conservation-
minded & remarked on how
Mognamini had "given up"
trying to effect change, while
they being young still got
angry.

Mag. very bitter altho
humorous @ IBDF.

Eg. he applied to WWF for
\$15,000 to outfit Poco das Antas
with cages for L.v. rosalia.

IBDF insisted he develop a
program for spending the money
including contracts for enforcement.
He sent a copy to IBDF/Brasilia,
& one to WWF Switzerland. He has
yet to get a reply from IBDF.

The point was whether IBDF would
OK his program officially &
commit itself,

Poco das Antas 1 1/2 hr drive from Rio.

Poco das Antas original
area ~~is~~ has gone from
90% forest to 40% forest
since 1972. Some of the
expropriated land is being
planted in eucalyptus.
If govt. expropriates undeveloped
land, it can pay in govt. bonds.
If land is developed must pay
in cash. Cash not available,
Thus IBDF cannot get land.

Owners know the laws well.
M. now trying to get IBDF
to expropriate additional
land south of original
reserve. Includes 2
tracts of land owned by different
people one of which includes
considerable marshland
with forest pockets. ~~But~~ There
will be a dam built south
of this area wh/ will create
a water barrier on S+E
part of ~~the~~ reserve.

Railroad runs directly
through proposed reserve area.

Intentions w.r.t. *Leontopithecus*
Release *L.v. rosalia* into
Poco das Antas.
L.v. chrysopygus? Probably
into Tijucas Park.

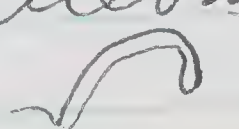
I was surprised at the distance
separating the 3 races of *rosalia*,
Chrysomelas is 1000 km North
of Rio area where *rosalia*
is common & *chrysopygus*
equally far.

Continuity of forest between
chrysomelas & *rosalia* probable.
But *chrysopygus* separated
from coastal forest by mountain
ridges which may have prevented
continuity for considerable
period. *L. rosalia* not
supposed to ~~have been~~ be able
to adapt to montane forest
conditions.

Visited Tijucas Bank briefly
with Magnanini

Rosalia remarkable for brilliance
of coloration. Sun or food?
They give high protein feed in
AM, ^{natural} fruits in PM. (are
planting palms + other plants
in Tijucas which can be eaten
by *Leontopithecus* at release).
Leontopith. also feed on insects.

On brief view Bank contains
3 pro *chrysopygus* + several
chrysomelas paired with *rosalia*.
None of the *rosalia* have
any black on them.

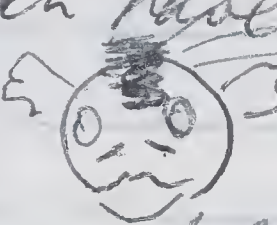
The *chrysopygus* are all black
except for hindquarters, ^{i.e.} rump &
venter. Tail ^{black}. Occasional
gold hair on back. They seem larger-
or at least more sexual dimorphism
with ♂ > ♀. Piloerected,
they look like *Callicebus*.
When tail held  very
noticeable.

M. says that they're quieter than rosalia.

They ~~must~~ have had two births of chrysopygus. Animals were collected in area which was heavy with Cebus.

They tried to lure them in with food, but Cebus took all food. Eventually, Happer caught all of them in hole in tree, cut tree down and brought them back in the hollow cavity (1 1/2' long x 8-10" wide). They still have the hollow.

M. says they would only use it for sleeping.

There are a pair of 7-8 month old L.r. rosalia which have very pale, almost white,  hair

where normally there is black. Curious!

(Also at the bank are some C. jacchus X C. percellata hybrids.)

M. Coimbra just getting ready for receipt of 11 or 12 L.r. rosalia from Rio Grande do Sul Zoo.

Were being offered to Rio Grande director by someone who wanted to sell them. Director at Rio Grande phoned, offered the animals on condition that dealer/trader not be named.

Although illegal to have L.r. rosalia for sale, Magnanini asked that IBDF not force him to find out who had obtained the animals (were being sold from Rio). Otherwise no animals.

M. has no hope for L.r. rosalia except thru the bank.

Tyuka was deforested @
1880. This forest now is
~ 80-90 yrs old. C. jacchus +
Cebus sp. present in area
must all be reintroduced. Difficult
to see C. jacchus.

* When flying into Rio, passed
coastal Sierra. All bare,
except for patches. M. says
all deforestation.

While at Tyuka Park, some birds
brought in. IBDF has
agents apparently scouring
pet shops; they expropriate
birds + release them.

The three "girls" in Magnanini's
office upset because no attempt
to feed + water animals; they
are just released.

chrysomelas
One ~~chrysomelas~~ (?) ♀ pregnant,
losing fur, out of condition.
Apparently has allergic response
to pregnancy.

COIMBRA POSITION
With the State of Guanabara
merged with Rio, Coimbra has been
made director of Nature Protection +
Conservation Institute for new
State. Apparently in strong position
w.r.t. Federal Govt.

M. expressed hopes that
he could collaborate with Coimbra
and develop program for training
National Park people. He believes
they have the brainpower at
Guanabara + IBDF might
be willing to contract out
aspects of Natl. Park Development
to State where expertise is.

M. mentioned plans for Primatology
Center near Coimbra's office +
laboratories.

Plan for 12 June

meet M. @ 9AM

Coimbra @ noon → PM
→ Sao Paulo in PM. 3 On Friday need to
see Pan Am, U.S. Consul (Rio?)
Need to phone DC on Friday to ^{phone DC. phone Caracas} _{to cable}
confirm flight arrangements. See U.S. Consul

? Stay Sao Paulo ^{business} Fri AM, PM ^{see zoo} Saturday night
Return Rio Sunday Coimbra
In Rio Sunday Mond. Tues.
Return Sao Paulo, Wed AM for animals.

Need Coimbra for Sndbook

Res. Proposal L.R.V. ODF

See Tijuca one day

Museums + Zoo one day

Modern Art "Shop" one day.

12 June

Magnanini picked me up at
9AM - To Tijuca Bank.

I photographed L. rosalia. We
went into forest for a few minutes
Forest has depauperate fauna +
flora since it is 2nd growth.

Museologist Christina
Architect Marie Eliza
Engineer Nariza

Explained Sndbook procedure
to Magnanini + left copies of
Sndbook. Magnanini is officially
in charge of data-keeping on
Tijuca Bank animals

Code 6.48.1 L.R.V.

Red Data
Book

2 L.R. chrysomelas

3 L.R. chrysopygus

even number ♀
odd " ♂ →

BB = Biol. Bank.

p Went to lunch with Christina
& Mag. in area of Rio (Smith)
which is totally deforested &
where they plan to expand the
city.

After lunch to Ecological
Station where we met Coimbra.
~~near~~ The station was by a lagoon
~~where~~ with many marsh birds & crabs.

Coimbra plans to build primatology
Center at this site.

Then back to Coimbra's office at
ICN (Inst. Conserv. Nat.) on
high peak in Tijuca.

Coimbra has many of his
Callithrix hybrids *geoffroyi* x
jacchus x *pennellata*.

Currently has some triple
hybrids off which he is very
proud.

Coimbra gave me skin & skull
of *L. r. chrysomelas* x *L. r. rosalia*
neonate.

Coimbra very worried about check
for conference \$650.00
wrong name.

Adelman Faria Coimbra Filho

Coimbra very defensive about work,
worried @ position. ~~the~~ Altho
apparently with state merger
Rio x Guanabara, Coimbra
position is greatly improved.

Went back to Magnanini's office
Contacted Anthoni.

No flight on Thursday to JFK.
∴ must leave Monday

To Coimbra's home for dinner
wife Jacqueline, daughter Simone,
son Sérgio

- ① Hershkovitz article blasting
Coimbra *Callithrix* paper of 1974.
- ② *L. r. r.* x *L. r. chrysomelas*
hybrid paper rejected by
Folia.

Coimbra getting paranoid @
Hershkovitz & upcoming book.

③ Coimbra excited @ discovery of holes in which *Leontopithecus* shelter.

In secondary forest, holes may be ~~now~~ more than 1 meter above ground since trees are not old enough to have many holes.

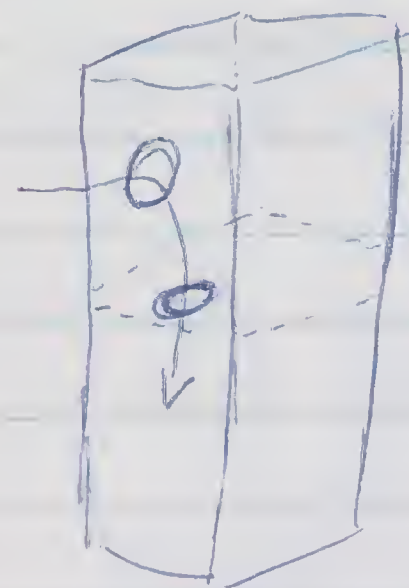
Coimbra believes that density may be limited by available shelters. (Some are made by wood peckers).

④ The *chrysopygus* population is in forest in a reserve.

Probably stable. *Chrysomelas* from Bahia, also in reasonable solid tracts of forest.

Rosalia ~~is~~ present only in forest patches in state of Rio. Chances for *h. rosalia* to survive in natural habitat is poor. Even Poco das Antas is degraded forest.

⑤ For reintroduction to Poco das Antas Coimbra is talking about putting nest boxes



up against trees with double section and two openings to prevent predators (*Bubo virginianus*, *Era barbara*, *Felis tigrina*) from catching captive - adapted L.T.V.

Nest box entrances should be no more than 6 cm across, but may be longer. 6 cm seems too narrow, but Keeper Francisco did trap *chrysopygus* in shelter with such a small opening.

⑥ Francisco followed family of *chrysopygus* for a while. Stayed in same tree eating fruit for 7 hr.

(7) Coimbra also talking about selective felling of "useless" trees in Pico das Antas to give fruit trees better chance. Also, fertilizing trees. Also trapping + removing predators from area.

(8) Discussed possibilities for research student. Very discouraging. Coimbra does not appear eager, interested in helping. Admits to need — more or less — but believes that he has enough data. Much of what he knows is based on a few observations.

19 trip over. 3 days each, yet he does tend to generalize based on this inform.

I think he is a good zoologist, but possessive of his work, believing he has sufficient info. or will get more on his own.

Coimbra wants
reprints from JFE

13 June

AM to Pan Am

no luck on confirming reservation or changing ticket

to ^{US} Consul — Got official IBDF letter translated. Very nice.

Left for Sao Paulo —
directly to zoo, arr. @ 14:30 hrs.

Mrs. Antuori, wife Beatriz
Ms. Sullivan one of 2 veterinarians
(also 2 consultants)

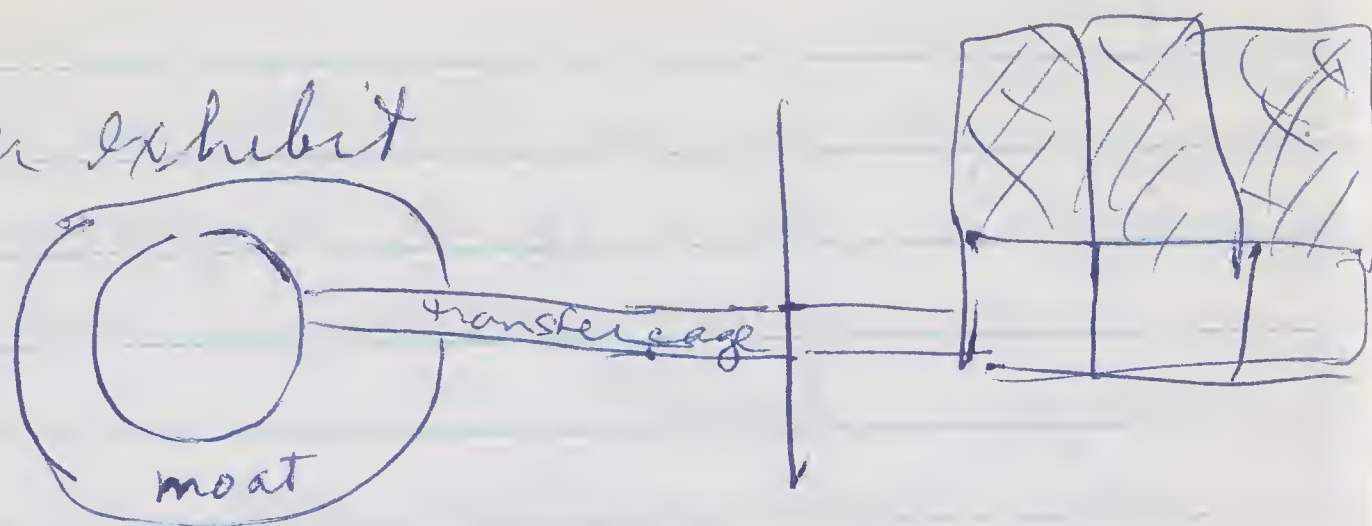
Dr. Helio Belluomini — ^{also consultant} Herpetologist
works at the zoo and at
Butantan — The Snake Farm

Mrs Antuori briefly took me
around the zoo with a headkeeper.
They breed many swans, have
beautiful duck ponds +
many ducks (mallards)
overwinter in Sao Paulo.

Milton
asst to
Curator
Mammals

Interesting: *Stelis marginatus*
① Gibbon, spider monkey, squirrel
monkey islands within duck
ponds.

② Tiger exhibit



③ 2 Pteronura (more Pteronura)

④ 2 Adurns

⑤ 9 Chrysocyon present

3 young ♂

1 pr Brasília

2 " São Paulo

For Antuori

Red panda diet

cage design + picture

Phone Clyde Hill

in San Diego

re: Orangutan Karen

re: GLMs.

① Red pandas photos of cage + diet

② Antuori exchanged ^{black + orange} jaguars with San Diego for ♀ orang. ^{Karen} 1
Has telegraphed San Diego but no response.

Info. on orang. Karen
age, etc.

One pair together for > 1 year ^{Crates #} 1+2

One male, one female, separate ^{Crates #} 3+4
from Nogueira

Antuori will speak with Reed in
Colorado Springs

Dr. Lillian - Veterinarian
Dr. Helio Belluomini - Consultant
+ Herpetologist

Freight charge for animals
32,000 Cruzeiros
~~375~~ 375

Send
Helio
reprints
JPG

DAL

14 June 1975

AM Went shopping
checked with Pan Am re: flights Caracas → JFK

13:30

Picked up by Helio & taken to zoo.
Helio works full time at Butantan &
consultant to zoo.

In quarantine area

Brachyteles arachnoides ♀
with thick clitoris

Cacajao rubicundus
melanolephus
Pithecia?

Many Peromyscus - Saofulo has
bred Peromyscus. After
5 litters ~~for~~ which were
sulphurated finally realized
that they needed double
entrance to nest since
♀ protective & sits with head
out of box.

Also have many Desmopista
Cuniculus (look terrible)
3 Dinomys

Blastocerus bred.

Many breeding agile wallabies.
+ grey kangaroos.

1 Red phase jaguarondi, 1 dark phase

Both Bactrian + Dromedary camels.

Wombats, newly arrived
Dendrolagus, newly arrived.
Meercats, mongooses (Atlatl)

Caluella breeding in tiny cages
in hospital.

↓
Also Saguinus chrysolaus (?)
Saguinus ~~black with~~
nidas

Next to Zoo is Safari Park with Lions.

Monkeys

Mandrillus
Mac. fasciata
Baboons.
Cebus

1 orang →
3 chimpanzees
1 gorilla →

They breed many rats, guinea pigs
for food. Breed mealworms.
Impressive kitchen facilities.

Eland (1)
Red deer (3)
Wildebeest (tawinus) (breeding)
Whitebuck
Giant's Gazelle
Oryx (breeding)
Impala

Canadian Lynx

Newly received Hyena brunnea

Have 9 Black jaguars.
Many ~~lions~~ breeding
jaguars & leopards

4 cheetahs - non breeding

Bengal & ~~Siberian~~ tigers

Several ocelots

Canid I couldn't identify
Hesper (3)

Bird exhibits very nice

- (1) Egret + Ibis house
- (2) Hummingbird flight cage.
- (3) Waterfowl
(Orinoco goose)

The quarantine area looks like
a dealers compound. Animals
everywhere in boxes & cages.
Many cages with wood floors
or soil floors.

Have off-exhibit breeding facilities
for birds.

Zoo well-staffed -

~~Helen~~

Austrian zoologist specializing in
ants. 84 publications. ~~has~~
Been zoo director 15 yrs.
Beatriz no biology degree, but
designing many of the buildings &
exhibits.

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Fundação Parque Zoológico de São Paulo

Claudio Benitez
CHEFE DO SETOR DE COMPRAS

Res.: Rua Projetada, 25
Cidade Ademar

São Paulo

Avenida Agua Funda, s/n.º
Tel.: 275 3522 - Pq. do Estado

Coordenadoria de Serviços Técnicos Especializados
Instituto BUTANTAN

Dr. Helio Emerson Belluomini
Diretor Técnico
Serviço de Animais Peçonhentos

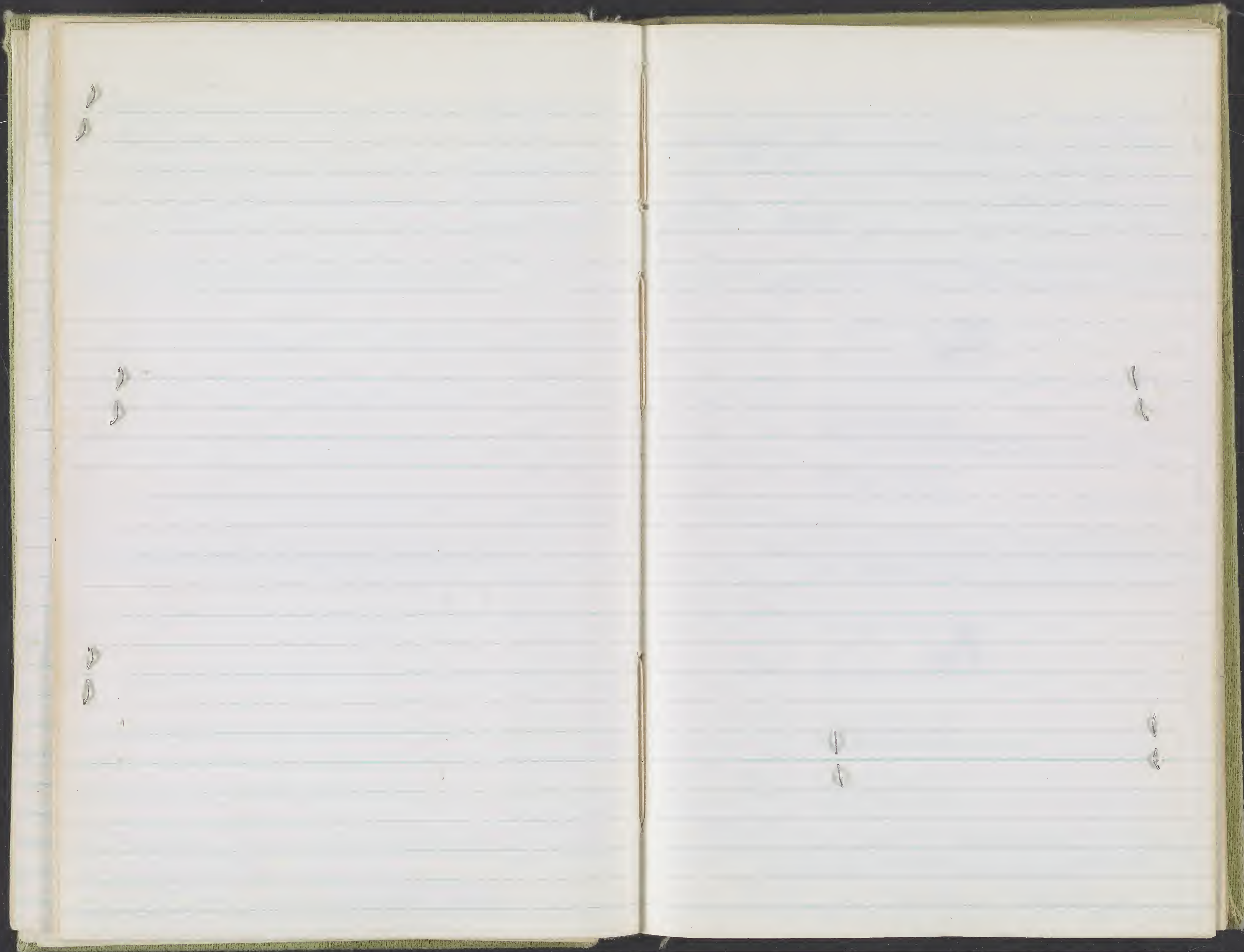
80-5123
Rua Dr. Mello Alves, 668 - 2.º
Apto. 22 - Telefone: 80-5990
Bairro Cerqueira Cesar - S. P.

INSTITUTO BUTANTAN
Avenida Dr. Vital Brasil, 1500
C. P. 65 - Telefone: 211-8211

Dr. HELIO EMERSON BELLUOMINI



FUNDAÇÃO PARQUE ZOOLOGICO DE S. PAULO
AV. MIGUEL STEFANO, S/N - Tel.: 275-3522
PARQUE DO ESTADO
SÃO PAULO - S. P.
276-0814



2 Cruzmas
8000cz.

book 1000cz

Scotch \$10.00

MARIA CRISTINA Weyland Vieira
Fazenda Monte Ategu
Engenheiro Trompowski
37113a - Monte Belo
Sub de Minas Gerais
BRASIL. Tel: 2391142
ou 035 5711500 (Rio)
(Fazenda)

JLMAR SANTOS BASTOS
DEB ZOOLOGIA - I.C.B.
UNIVERSIDADE FEDERAL DE
MINAS GERAIS.
B.H - M.G.
Belo Horizonte
CELIO VALLE

15 June 82 - Arr Rio c 0830 hrs.
meet Millermeier, Jon Jensen
(WPTL), Karen ~~Sty~~ Streier,
Andy Young (Harvard students),

→ Hotel Novo Mundo
Rates 4000 cz / single ~ \$20.)

Hotel Novo Mundo S.A.
Praia do Flamengo 20
RJ

Telephone 225-7366
Teleg MUNDOTEL

Rested, unpacked, small lunch
Then → Rio Zoo.

New director veterinarian,
curator / zoologist - woman
Director friend of Mitt.

Collecta + caging poor:
Had newborn infant
A. caraya,

Collecta includes 2 black rhinos, tapirs
capybara, 1/1 Chrysomelid,
Dulcison vetulus, Ceratopogon,

Scotch \$10.00
Cruz de Lima \$20.00

Dra.

Maria Tereza

~~Dr.~~

226-9826
office

225-3241

Eum. bachana, Nasua, 3 grison,
2 sp. carnels, grapple
Cebus, Ateles ^{belzebuth} marginatus
Callithrix geoffroyi (w/ single
infant)

to change \$ (personal checks,
dollars, Traveleis cheques
accepted) - Telephone first
Lothar Oppenheimer
Travessa do Paço 807
8th floor - Room 806
near Palacio de Justicia
relative of Ken Green been
changing \$ for Mattemerei

Telephones 231-1570
231-1511
231-2901

Claudio Valladares de Padua
Combra administrator
can assist in finding
Oppenheimer's.
Claudio - ran a factory, back
to school in biology
[home phone 205-8037]

Then became administrator
of primate center (CPRS).
Good natural historian.
Currently salary @ 25% of what
he previously earned.

[Coimbra home phone 274-4105]
wife Jacqueline]
16 June 82 - Hung around - went shopping to
Copacabana got
Dinner at fish restaurant next
door to Hotel Meridien
Copacabana -
Expensive but good.

Then cabs to Coimbra's apt.
for after dinner drinks.

We discussed Pocos das Antas
restoration. Coimbra agreed to
take responsibility for
restoration. He told him
@ Dietz. He argued w/
Mullermeier about Ponte Claros
& condition. Also suggested

importance of certain restoration approaches, eg using lime or bone meal — calcium phosphate to increase alkalinity of soil. Suggested that pH in certain pasture areas was $\sim 2-3$, highly acidic. Also indicated importance of returning epiphytes to forest to increase diversity in forest, increase insect biomass & bring insectivorous birds back in [Leontop. likes birds eggs].

Andy Young got fish bone in throat, spent most of time at Coimbra vomiting trying to get bone out.

Returned to hotel + I became sick from fish dinner.

17 June 82 - Up @ 0700
(still ill) - drove 2 1/2 hrs.
to C.R.T. Center has nice
modern main building
with cages banked up a
hill behind in ~ 270
Ha of good old 2nd growth.

Coimbra has Cebus apella
L. rosalia, chrysopygus, chrysom.
(21) (3 prs)

Callithrix geoffroyi ~ 6 pr
" flaviceps 1-2
" aurita :
" kuhli "
" kuhli x penicillata hybrid

Saguinus bicolor - 1
Saguinus midas - 2

2 L.t. chrysopygus from 2
separate litters w/in one
family are very rufous -
colored with pale faces.
He feels they are partial albinos.

At Center - Roberto da Silva
Pissinetti

The two vets. I discuss
disease problems, esp.
bacterial problems w/ Piss.
nutrition with Roberto. Both
speak some English.

All major personnel at
CPRJ visit center 3 days / wk
together. Thus medical care
only temporary.

Improvement over Tigua
is in food quality + isolation
from humans, but food
prep. is done in same room
as necropsies. No quarantine
facilities. And keepers
that care for animals in
quarantine also care for
regular stock.

After tour of Center, lunch

Then discussions with Russ,
two vets, Renato Pety Leal (IBDF),
Coimbra, Claudio, + Jensen etc
present.

Renato suggested that
IBDF must 1st increase #
guards + a census of home range
size + carrying capacity of
habitat done! In discussing
restoration Leal kept suggesting

that IBDF would be doing
everything so in trying to pinpoint
areas where grant proposals
could focus it was difficult.

Finally settled on 4 areas.

- ① Corridors - replanting to
connect forest patches.
- ② Transplantation of epiphytes
- ③ Spreading lime / bone meal
in pasture / grass areas.
- ④ Planting small orchards of
fruit trees.

Cost is mainly in labor
6 laborers - minimum wage
\$ 80/mo + 61% benefits

~~130~~
~~130~~ ~ \$ 1000/month

But agreed to visit Brasilia
to discuss with MT.

Later erred when I indicated
that WWF shouldn't be
involved in signed agreement
for reintrodⁿ. Except
WWF already has broad-
based agreement with IBDF
& FEEMA / CPRJ. But
Hitt got nervous & I probably
insulted him.

He explained The Poco d'Antas
& Mebures Claros were highest
priority ^{in SE Brazil} for a big WWF
international fund-raising
appeal & That IBDF
had requested 2 biologists
for 2 years at Poco d'Antas.

I explained my concerns
to Russ re: WWF Internat.
& fund raising & credit to
institutions who contribute.
Could be trouble,

Photos

#1

64

1-20

1 Rio Zoo

CPRJ

2-20

21-36 Casimiro town
road to PdA.

18 June 82

18 June 82

2

Ecta 200

GLTs

near guard
entrance.

3

Koda 64

at guard house some GLTs
then during walk on
road thru reserve
end of roll at dam.

4

Koda 64

1-4
reserve
isolated

6 →

at dam looking at
at dam
forested patches
at bird's finger
mtn.

Coimbra generally quiet during
meeting with Renato doing
much of talking. Coimbra
only interjected to explain
about soil Ptt. His English
much better so I don't understand
reticence.

After breaking I give Renato.
List of Dietz needs wrt permits
& arrange to visit Brasilia.
on Thurs/Fri next week.

Also, arrange to meet with
Coimbra again to discuss in more
detail.

Seems like general agreement
but ???

We drive to Casimiro do Abreu
closest town to Reserve in
during miserable rain
Distance from Reserve
18 km.

19 June 82 Friday
0800 - 0920 AM

Watched GLTs:

2+2

~~Cortez~~

Take GLT at guard house w/ spained
right fft. Two groups of 2
each at either side of road
calling. Carlos Alberto uses
whistle from whistle toys
to call in GLTs.

One crosses road +
interacts, with chasing
with 2nd group. Both interactants
are ♂♂. Tame animal using
humans as back up.

Calling not only to keep
track of other group, but mates,
since single individual remained
on other side of road.

Animals come down low in
canopy + cross very open area on
ground. Lots of photos.

Color good. They have some
grey/black on tails + in mane.

Tame animal seen arch wk. on
ground. Group of 2 near
guard house look as tho they
regularly come down to interact
with tame animal (sex not determined)

0930 - 1100

Walk ~~the~~ along rd to end of reserve a 8-10 km walk.

When near forest Carlos Alberto used frog toy whistle to try to call in tamarins, - no response. Majority of reserve depauperate but some raptors fly overhead; many small birds - tanagers.

Looked at old fazenda house for Dietz use - filled w/ sev'l hundred bats - perhaps *Carollia* although ears short & rounded.

Look @ 15-20 g. no young visible although one animal I can see well looks pregnant.

On road, C.A. points out *P. cancrivorus* tracks & 2 sets of different cat tracks. The larger he calls "gato do mato".

See carnivore scat on railway tracks on way to see abandoned fazenda house.

There are several isolated patches of forest near dam construction where possible to consider an isolated reintro.

But would need boats to follow animals + areas very small.

IBDF recommending cutting forest outside reserve to prevent escape of GLTs outside.

Aburd given the lack of forest.

Dietz could live in Casimira or in reserve.

Main guard helpful in showing us the abandoned house.

We left P.d'A. @ 1230 hrs. and drove to CPRJ to pick up luggage left. Then

N. to Minas Gerais over mtns. Arrive at

Caratinga, town near Montes Claros @ 2300 hrs.

Had to get final gas fill-up

@ 2000 hrs since no gas
sold after 8 PM on Fridays
until Monday.

In Caratinga meet Celso Vale
+ student in ABC Hotel.

Go out for dinner @ midnight.
Carlos Alberto tells of my
eating hot peppers. / RAM +
I discover were both Scorpios.

We have rather raucous time at
restaurant. I'm finding
John Jensen a bore. I +
Karen very amusing. Andy is
young.

Bad to be an egg -
10' to get hard 2' to get soft
Laid once Eaten once
in ~~the~~ box w/ 11 others.

Karen's joke.

The area near Silva Jardim,
Sao João River is tragic.
Nearly complete deforestation w/
much erosion or pure grass on
hillsides which doesn't even support
grazing by cattle. Land useless.

Photo
#4 Kodak 64
begin at #16.
#16 - ~ 31
Montes Claros
house fazenda
forest

19 VI 82

Drive to Fazenda Montes Claros
in AM - from Caratinga
~ 1 1/2 hr on dirt partly paved
road from Caratinga. Montes
Claros forest ~ 800 Ha - with many
Alouatta Gebus, and @ 50 Brachyteles.
Fazenda used for coffee, some sugar
cane. Completely self-sufficient with
electricity from own hydroelectric
power.

1645 2 *Alouatta fusca* ^{l.l.} in
tree feeding on leaves; tree
not identified.
✓ # 15 m height along
road - fig tree

1700 hrs sight 4 more *Alouatta*
in leguminous tree w/
fine leaves. Tree emergent
in gorge.
✓ 100 m between
l.l. and O.O.4

Tree Pipidodera / Mimosaceae

Present in forest

Bradyfusus infuscatus

Cuniculus Agouti

Tamandua

Didelphis vitz.

Marmosa.

6 more howlers - 3 climbed, 3
more on separated branches.

All resting in emergents.

8 Cebus apella + 2 Is.
crossing road. Group probably
much larger.

2 more Alouatta in high canopy

1730 hrs

> 1 Cebus but getting dark

20-21 VI 82
#5 Ekla 200

#1

includes
Brachyt.
Alouatta
Callithrix
flaviceps

20 VI 82

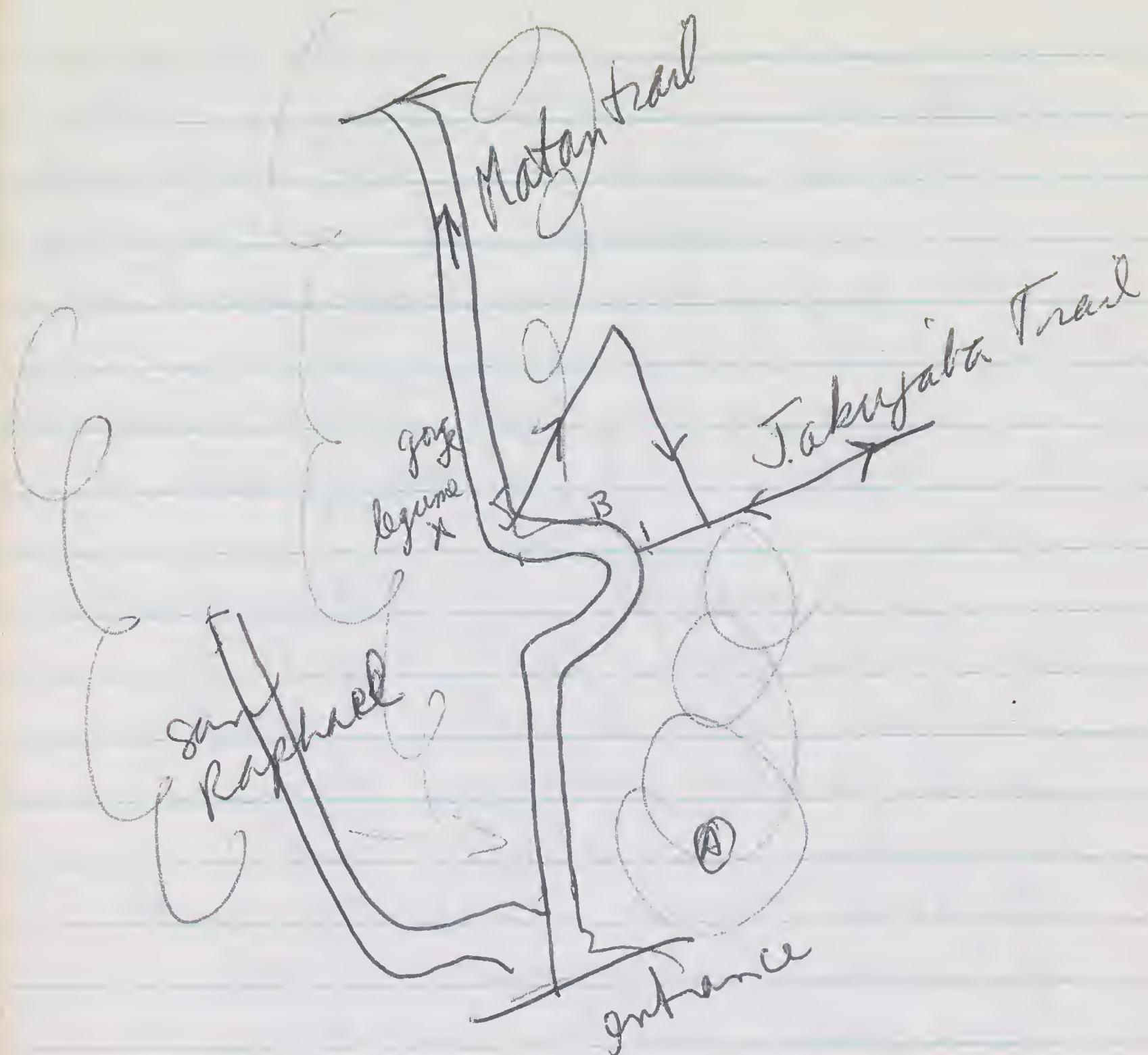
Up at 0630 hrs. but remainder of crew asleep. I am sleeping in main house while others in separate building.

Owner of fazenda Senhor Feliciano?
Son @ 57 yrs old to take it over.

RAM showed WWF film made by Andy Young last night to about 30 locals. Really good public relations for locals. Celio Vale and student here. Celio narrates film in Portuguese. Vale has good public relations + has a TV crew about to come in from a major Brazilian variety news program.

Brazilians astounded at The hot pepper I eat.

Terrain in forest somewhat hilly, but trails reasonably good. Nishimura already has spent time here watching Brachyteles.



0850 Sighted ~ 6 Alouatta
cross road; other side

0926 at B sighted howlers,
2 - soft hoots -
mid canopy.

0930 soft hoots build up to
howling.

Unclear how many animals
1-2.

0936 Chorus ends w/ some
single hoots; then begins again.
> 3 animals? howling
Howl is constant sating
sound w/o lots of
separate syllables.

0942 I leave - still howling
near legume where we saw
howlers last night

0951 Squirrel - near end of rd.
0959 Same squirrel cross
road on my return

Sr. Heluano A. Abdalla
Praça ^{Sezar} Cesario Alvim 161
- 35 300 Caratinga
MG Brazil

10:11 2 Alouatta in tree
@ 20 m from legume.

@ 50 m from where group
howled

1043 hrs 4 Alouatta near car
at entrance
0.1. Inf
+ 2.

crossing from palm into
mimosa. Inf crosses on
mother's back.

1138 sighted > 8 Brachyteles
several hundred m.

into trail at rear of
forest. We went by car
around to rear of forest patch.

~ 12 noon 2 Cebus.

1:43 Group Cebus

1417 back to car -

Lunch ~ 1500 hrs

After lunch Sr Feliciano showed us the machines for drying + husking coffee beans. Apparently he's a millionaire, based on this fazenda's coffee + has bought 8 other fazendas.

1700hrs locals playing soccer, Russ joins in.

Then someone indicates that he saw a sloth along the main low rd in the forest. We travel in again

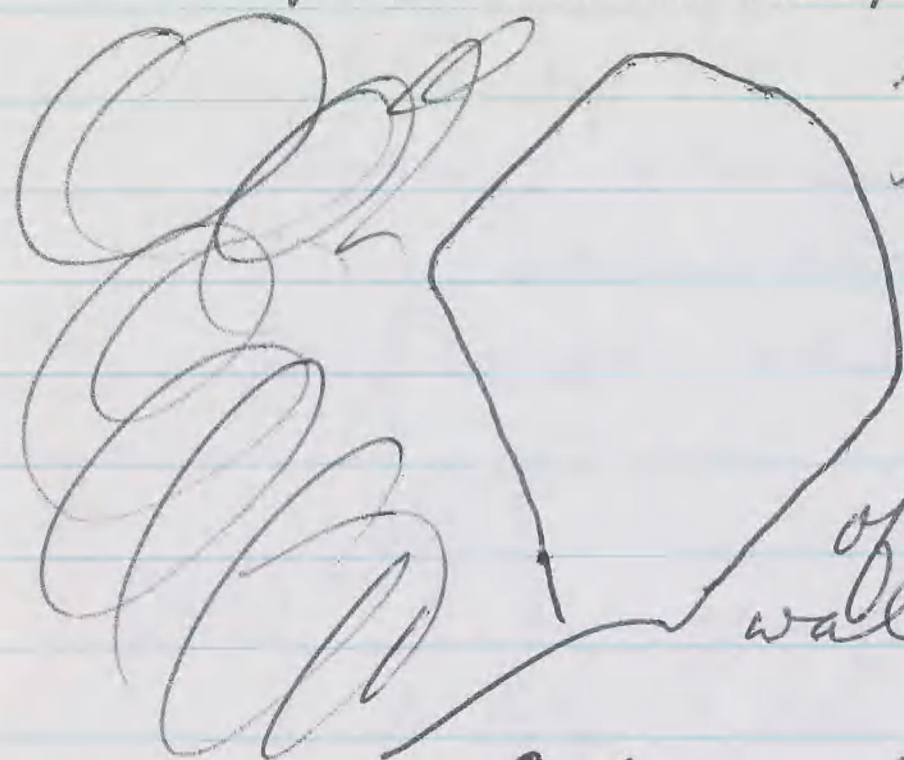
See one group of 8 howlers
(1 inf on mother's back)

another group of 2.

Today I went along main lower trail. We then

went to rear of forest where
BAM often sees *Callithrix*
flaviceps in very scrubby
vegetation. Altho Carlos
Alberto tries to whistle them
in we don't see any.

We then walk up road;
to a trail that goes to top of
ridge, along
ridge +
back down.



Probably total
of 8 km of
walking.

Return for lunch at
1500 hrs.

21 June

0750 hrs - Went looking
for *Callithrix* on ridge rd.
Carlos Alberto whistling.

0912 - Got 2 responses
after walking back + forth
along rd. Back to
main road near car
and up to ridge rd on trail
thru scrub.

low stature scrub
preferred habitat.

0940⁰⁹⁵⁴ - C.A. found some near
ridge rd.
Moving mainly at
lower levels although
one was clearly visible
on trunk of emergent.

1100 Returned to house on foot
after running out of gas

1315 Out again walking to
main forest rd.

Spotted 0.0.1 Cebus
crossing road at B

(maybe howler) ?

At least 2 more Cebus
heard in area.

1345 Saw both Cebus after sit -
wait

1350 ~ 5 Alouatta resting in
tree near where
Alouatta always seen.
at "B"

1404 4 more howlers in open
emergent resting
along road

1420 Howler group starts
calling down rd.

Spot Alouatta

0.1 + Inf⁺ + Juv + 1.0

1430 Howling stops.

1625 on Raphael Rd trail
group of @ 7-8 Brachyteles
settling in for night.

@ 80-100 m separate
members of group

one large ♀ with small Inf.
several juvs.

1630 - 1637 - Howlers howl.

1650 2.0 come in
one animal

breaking branches - comes w/in
@ 15 m of us.

Also whole group starts
squeaking & whinnying at
each other.

Carlos Albert estimates @ 15
animals

17 24 Turn.

#6 Ekta 400
22 June 82
almost all Brachyteles
also Sr. Feliciano coffee beans,
mailed roasting

22 June 82

0733 - Contact w/ Brach. at
same location Raphael
trail.

1 curled up on branch

Group of 3 together + 1 in
large emergent; where rd
turns

0740 Andy, spots coat
group with infants - 2 dark-colored
young + 1 adult seen.
But noise from @ 2-3
other adults.

0750 another group of 2 ^{sleep together.} in
tall emergent.

+ 1 by gorge

+ 3 more together in emergent.
resting.

0806 + O.i + Inf over gorge

0833 2 more spotted in large emergent

in leaf clumps -

Total count so far = 12

0900 3 Animals in large
emergent, begin to
be active,
shit, start feeding

2.1

Feeding on mature leaves

Lots of shit on ground wh/
S.A. collects
Large seeds, almost
2" in length - oval shape



RAM Drinks from palm.

0920 - Periodic movement.
one sunning himself on his
back.

0947 Still erratically moving.
6 end up in small
open tree together

Most are 25 m and higher.

1000 Further up rd.
1 crosses, using palm + thin
dead trunk. Moves low.

1013- 5 more have crossed;
2 at same loc. —
~ 3 100 m up rd.
Crossing are low but in thick
foliage.

1027 - Group of >6 encountered
feeding in fruit tree —

~ 200-300 m further up
rd. Tree high canopy

2 mild agonistic encounters

at one animal sqking - +.

~ 1030 . Monkeys move up
hill -

We try to follow - go straight
up hill & end up at
end of forest @ 1100hrs
start heading down

1122 - cross ridge -
some monkeys in
scruffy 2nd
growth
RAM Thinks Cebus

1230 came down other side of
ridge - hit trail
which hit road to
Matão trail -
Hit car -

Lunch 1345
Visit to coffee plantation

with Sr. Feliciano and a course
in coffee.

Sr. Felic. says that
70% of Brazilian exports is
coffee. He is a millionaire
altho he lives very frugally.
@ 74 yrs old,
moves well and acts much
younger.

Have shower @ 1600 hrs.
and rest.

23 June 82 Drive back to Rio
@ 9 hrs.

meet Affie Rosenberger
& wife Elise Mooskin
(Oates/Kinsey student)
for dinner with
RAY.

24 June 82

Out to CPRJ with Coimbra, Claudio + Jensen. I have long discussions w/ Coimbra re: budgets, reintro, coop. agreements, etc.

RAM + C.A. had gone to airport to meet rich American That RAM wants to take to Montes Claros.

RAM shows up at CPRJ w/o American @ noon. And then heads back to Montes Claros while Jensen Coimbra + I return to Rio.

Shopping in afternoon after some confusion. Jensen left coat + closet key in Coimbra's car & can't open closet. I try to make flight arrangements for Brasilia and call Maria Teresa or Renato in Brasilia.

Everything finally OK.

Dinner at Coimbra's home
with wife Jaqueline +
son Sergio.

25 June 82

At airport by 7 for Brasília
flight at 8. Could have
made 7 AM flight, but
decided to have coffee. Then
8 AM flight delayed until
10:30.

Hit Brasília @ noon with
Renato, M. T. + Angela awaiting
me. Lunch together +
then a long meeting with
Renato + Angela about
reintroduction program.

Everyone cooperative and, I
feel, wanting program to
go ahead. M. T. only a
bit reticent about being able
to hire guards, but Renato
seems to think it is possible.

Return to Rio on 1930 flight
since Friday PM. all flights

nearly fully booked.

In general, positive responses
from everyone + the commitment
to the program altho I
could be wrong.

20 Aug 82

Talked Ore Gainesville

② re: Brazil training
course

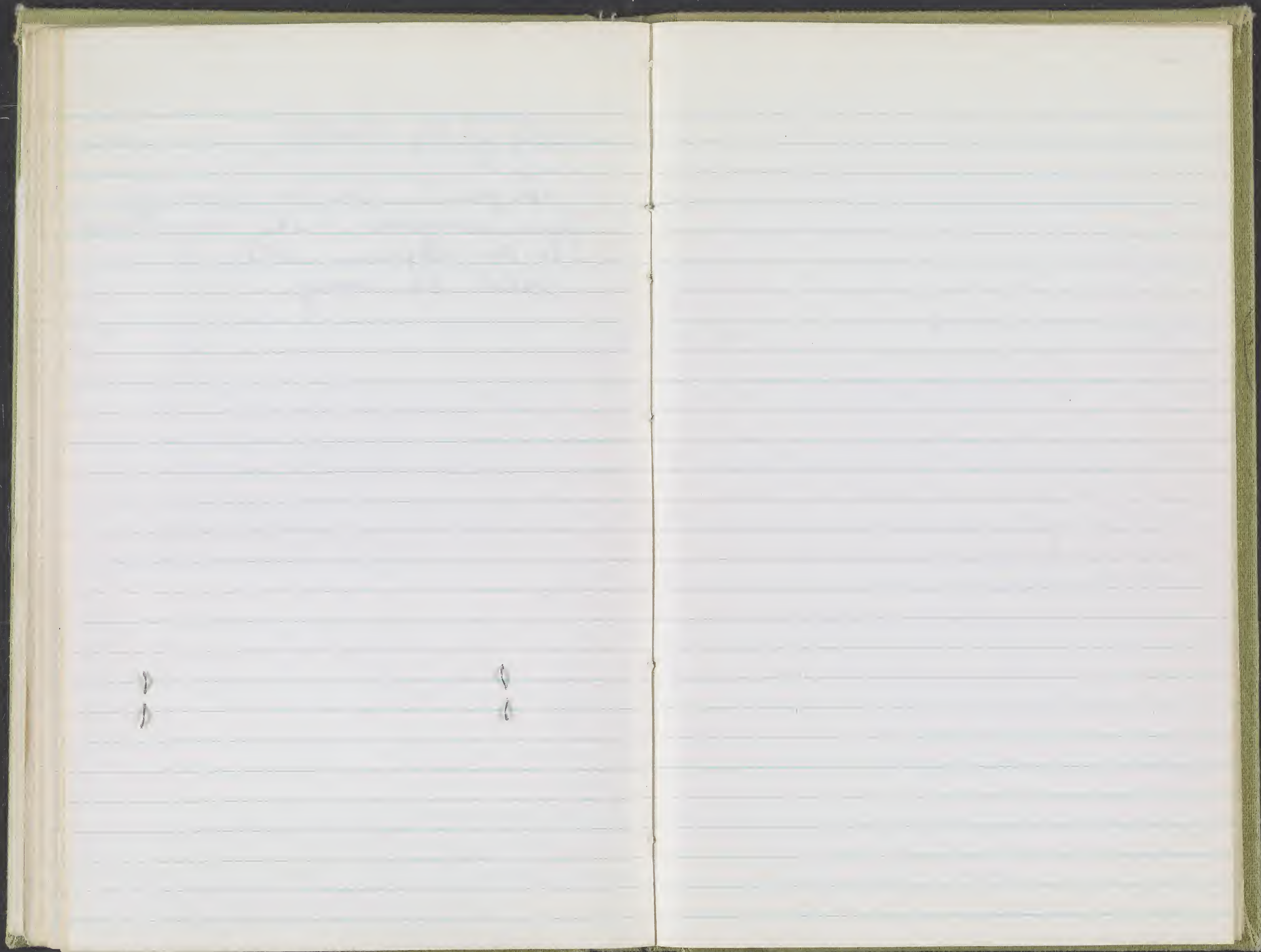
③ re: students for
h.v. rosalia reintrod.

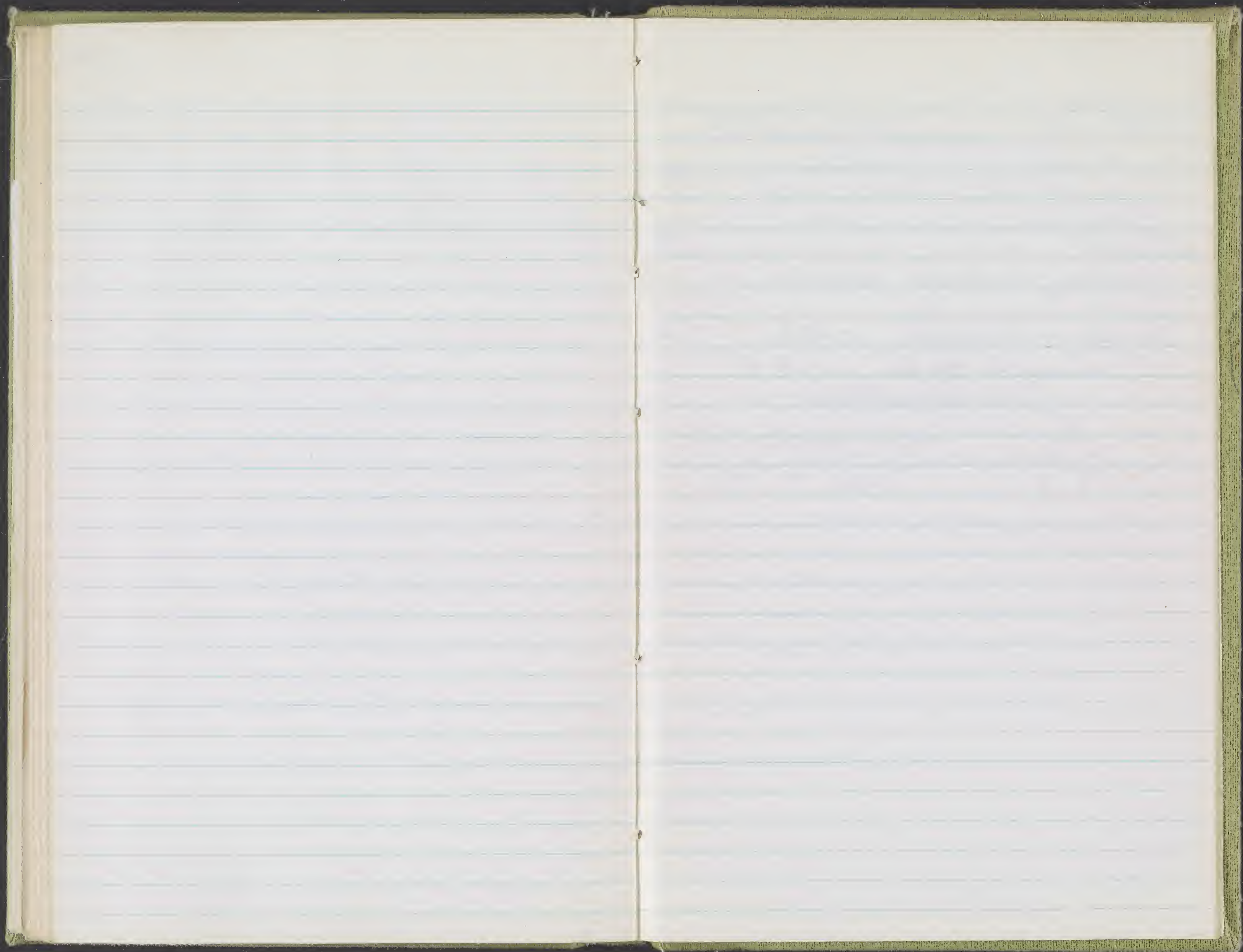
PROF. MILTON THIAGO DE MELLO

UNIVERSIDADE DE BRASÍLIA
Inst. Ciências Biológicas
Tel. (061) 272-0000
Extensão: 2176 / 2469 / 2214

Home

Residência:
SHIN QL 4/2, Casa 19
Península Norte
Tels. (061) 272-2291 e (061) 273-8683
70.000 — Brasília - D.F. — Brasil
577-2808





Omaha ?

FT Worth 1 pr 1.1

Houston " " 1.1

San Antonio 1-2 pr

Brookfield 1 pr 3.2

LA 1 pr 3.1

MoJu 1 pr 8.1

San Diego 2.0

Okla 3-4 pr ~ 8.8

NZP 4-5 pr 10.10

~~17.12.12 17.12.12~~

9.11

~ 65 animals U.S.

Japan ~ 7.5

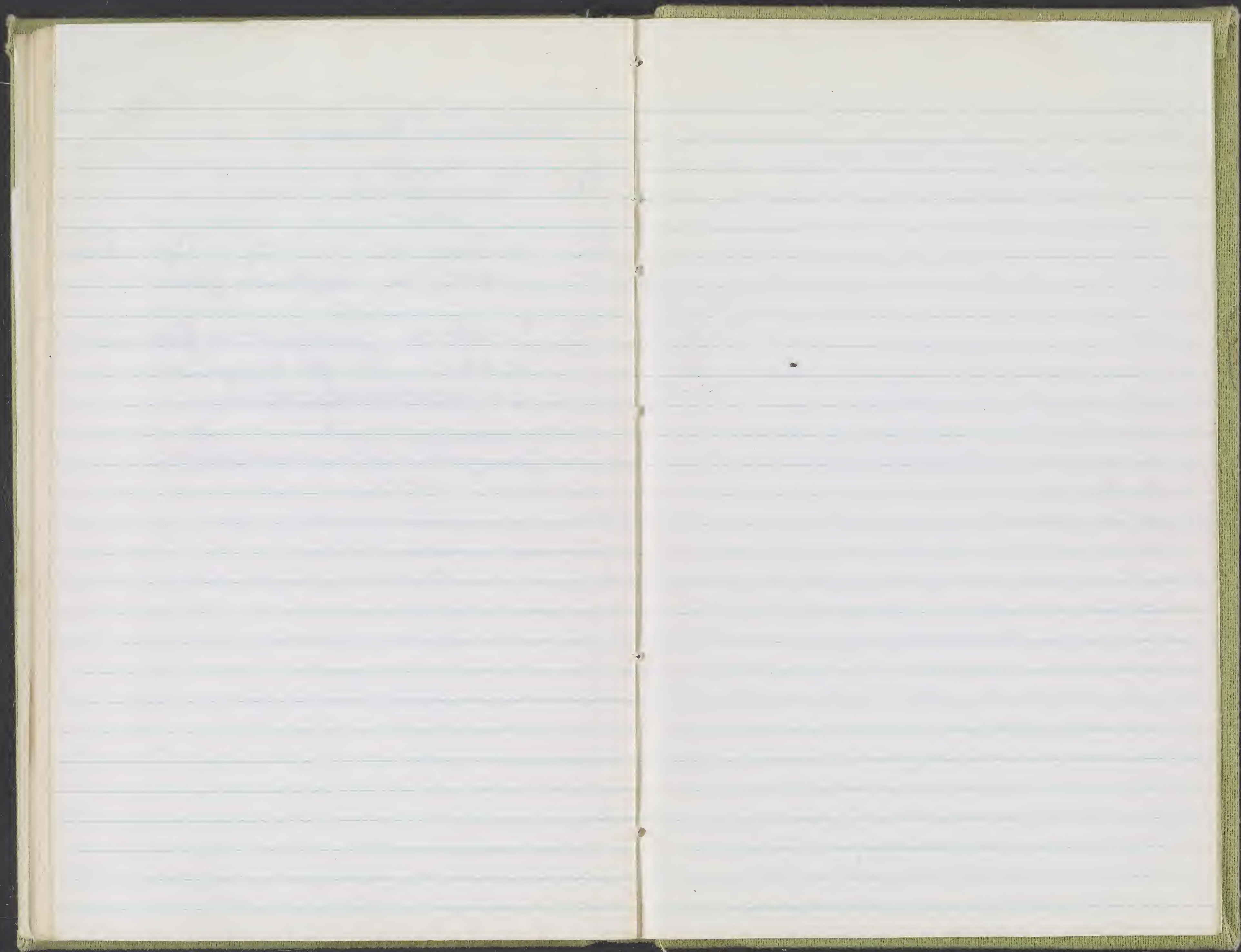
Ektachrome 36 exposure

#1 - ^{12 June 75} Tijuca Park 1-36

#2 12 June 75 1-21 Tijuca Park
22-36 Sao Paulo Zoo

#3 1-3 Sao Paulo → Rio ^{from} air
~ 4-5 N. of Brasilia
6-11 Amazon River

12-33 Marmosets



Etienne Berault
Kua Golf Club 6
R J Cavea

Mico leao in garden,

Etienne Berault

Rua Golf Club 64

RJ Cavea

Mico leao in garden; lives R.J.

Conference

Magnanini Progress in the development
of the Pico das Antas
Biological Reserve
for Leontopithecus

Columbia - New aspects of the ecology
& reproduction of Leontopithecus

Columbia + Mittermeier - Use of trunks for
woodboring in Calathus
& Cebrella.

0300 hrs from Hotel →
Veracops Airport

0400 hrs
for

~~Great One Horned Indian Rhinoceros~~
~~TORUN ♂~~
~~Rajkumar ♀~~

Camera

- ① Loading - [ⓐ] Back opens through
lever on left side. Pull
down.
ⓑ Left top rewinder must be pulled up.
ⓒ slot film end in. It winds
clockwise.
ⓓ check to make sure film is caught
by turning advance lever once.
- ② Check ASA - need to push it.
- ③ ~~Light~~ Light meter: Speed vs. F stop.
- ④ Rewind:
push bottom button as
rewinding film.
Need to pick up rewinder
~~as~~ to let film drop out.
- ⑤ Remember That advance lever must
be pushed back before taking
picture.
- ⑥ Lens changing - push button
turn clockwise
F 5.6 into groove

90